

## MODIFIED CLAIMS

[Received by the International Office on June 01, 2005 (06.01.2005): Claims 13 -  
16, 20, and 22 replaced by  
Modified Claims 13 - 16, 20, and 22]

**13.-** A tablet according any appropriate combination of the preceding claims, characterized in that it generates CO<sub>2</sub> gas and in that the preferred acids mentioned in Claim 12 are in a solution that reacts with an alkaline tablet.

5     **14.-** A tablet according any appropriate combination of the preceding claims, characterized in that it generates CO<sub>2</sub> gas and in that the preferred bases mentioned in Claim 11 are found in a solution that reacts with an acid tablet.

10     **15.-** A tablet according to any appropriate combination of the preceding claims, characterized in that it generates CO<sub>2</sub> gas and in that both the acid(s) and the alkali(s) are found emulsified-dispersed in the same tablet, the mixture and thus the gas releasing reaction occurring upon the disintegration of the tablet in a medium that allows the reaction between the acid(s) and the alkali(s).

15     **16.-** The use of tablets according to any appropriate combination of the preceding claims, characterized in that the are incorporated in a drip-type medical device wherein there is an aqueous solution of an acid, preferably citric acid at 30-37% in water (w/w), separated by means of a sheet of plastic or plastic with aluminum from an alkaline tablet (preferably consisting of (a) partially hydrogenated vegetable oil (b) emulsified with a hydrophilic polymer, most preferably of a molecular mass between 2000-8000 amus, (c) an emulsifier of HLB 3-6, and (d) an alkali, preferably sodium carbonate); the sheet being broken by pressure right at the desired  
20     moment of using the drip; the CO<sub>2</sub> gas is then released by a controlled acid-base reaction upon the citric acid coming in contact with the bicarbonate and carbonate ions, and enters a chamber wherein the injectable liquid solution, which is encased in plastic, is found, preferably saline serum, serums with medicaments, blood or products derived from blood (encased in plastic), the CO<sub>2</sub> thereby creating pressure on the casing of the injectable solution which generates its flow towards the patient, this pressure being the primary regulator of the  
25     rate of injection of the injectable solution.

17.- The use of tablets according to any appropriate combination of the preceding claims, characterized in that a controlled emission of pungent smell (by the release of a pungent gas such as sulfur or ammonia or mercaptan compounds -or their mixtures-, more preferably SH<sub>2</sub>) is obtained in an olfactory alarm device,  
30     wherein the factor causing the alarm state trip causes in turn that an acid or basic tablet contacts a basic or acid solution respectively.

18.- The use of tablets according to any appropriate combination of the preceding claims in agriculture for the disinfection of soils or cultivation sites in general, by the release of disinfecting and/or fumigating gases  
35     traditionally used or present in the state of the art, preferably hydrogen cyanide.

**19.-** Tablets according to any appropriate combination of the preceding claims, characterized in that they contain an emetic product as an additive so that they are vomited in case of voluntary or involuntary ingestion thereof, greatly reducing their toxicity due to ingestion.

**20.-** The use of tablets according to any appropriate combination of the preceding claims, characterized in that said tablets act as aromatic agents in the bath/shower (upon being dissolved in water) or in home aroma devices, by disintegration thereof in contact with water at the usual pH of the bath or home water; the aromas preferably being chosen among the group of: thymol, borneol, anethole, limonene, pinene, and terpenes in general.

**21.-** Tablets for the controlled emission of O<sub>2</sub>, characterized in that they comprise a water-in-oil emulsion made up of:

- (a) at least one emulsifier
- (b) at least one hydrophilic polymer
- (c) hydrogen peroxide
- (d) an oil phase
- (e) optionally, additives;

said tablets being molded in a solid state at a temperature lower than 40 °C and applicable in controlled breathing systems both at a microbial and an animal or plant level, as well as in systems or processes requiring a continuous O<sub>2</sub> supply in a controlled manner (preferably chemical reactions, aquariums, chambers for microorganism growing, etc.).

**22.-** Tablets according to any appropriate combination of the preceding claims, characterized in that they generate O<sub>2</sub> gas and in that the tablets formed according to Claim 21 come in contact with a solution containing enzymes of the peroxidase group, this solution produces O<sub>2</sub> upon the enzymes coming in contact with the hydrogen peroxide which is found in the tablet as a dispersed phase, together with the hydrophilic polymer, the oil being the continuous phase.

**23.-** Tablets according to any possible combination of the preceding claims, wherein a colorant or reaction indicator (either acid-base or enzymatic) is added in order to observe the appearance of color upon initiation of the reaction, optionally the intensity of the color varies as the reaction develops.

**STATEMENT ACCORDING TO ARTICLE 19(1)  
WITH REGARDS TO THE MODIFICATION OF CLAIMS OF  
PCT/ES2004/000561**

The international patent application PCT/ES2004/000561, "Tablets with emulsified polymer matrix for the controlled emission of gases, and procedure for their production", Applicant: GAT Formulation GmbH; Inventors: CASANA GINER; Víctor et al; has been modified under Article 19 in accordance with the suggestions of the Administración de Búsqueda Internacional (International Search Administration).

As the conclusion to its report, the Administración de Búsqueda Internacional proposed the modification of:

- Claims 16 and 20 [previously claiming *the tablets* characterized by the manner in which they were used] by new Claims 16 and 20 revealing **the use** of the tablets object of the invention.
- Claims 13, 14, 15, and 22 [previously claiming a gas production process obtained by **the tablets** object of the invention] by new Claims 13, 14, 15, and 22 revealing the tablets characterized in that they produce gases.

The modification carried out on Claims 13, 14, 15, 16, 20, and 22 has not involved any changes to the meaning or object of that revealed therein. The modifications carried out on these claims have only been of a formal nature on the phrasing thereof, according to the suggestions of the Administración de Búsqueda Internacional.

# **Certificate of Verification**

I, PABLO BLANC PATTISON

of

state that the attached document is a true and complete translation to the best of my knowledge of International Patent Application No. PCT/ES 2004/000561

Dated this Sunday, 16 day of July, 2006

Signature of translator



A handwritten signature in black ink, appearing to read 'Pablo', is written over a horizontal line.